

Melvin Price Locks and Dam UMR Mile 201
Auxiliary Miter Gate Failure
Bi-Weekly Status Report
6 April 2005

THIS REPORT IS ISSUED BI-WEEKLY

General Description: On 3 Oct 2004 the downstream miter gates on the auxiliary lock at Melvin Price Locks & Dam traveled past the mitered position, causing severe damage to the gates.

Tows Waiting: Traffic is being passed through the main chamber and no abnormal backlogs are occurring.

Communication Plan: The district has set up a web page for this incident that can be accessed through (www.mvs.usace.army.mil).

Risk Assessment & Mitigation Plan: A minor repair by lock staff to the Missouri filling valve in the main chamber will not effect lock operation.

Helper Boat on Site: A government-furnished helper boat is on station. All approaching commercial tows are required to use the assistance of this boat at the direction of the Lockmaster to minimize the potential for damage to the main chamber.

Actions Performed Last Two Weeks at the Service Base by the Combined Team Crews:

- * Completed repairs to the bottom seals on the Illinois gate leaf.
- * Continue machining and fabrication of 2 new strut arms for the lower gates.
- * Quoin pintle casting plate was replaced and completed on Missouri leaf.
- * Erected the first of two forty-foot Environmental Enclosures.
- * Finished repairs on the Illinois secondary anchorages on auxiliary lock.
- * Began welding new bottom diagonal pin support box on to the Missouri leaf
- * Finished heat treating the new bottom diagonal pin support boxes.
- * Begin welding on the first set of strut arms.

Actions Scheduled Next Two Weeks at the Service Base:

- * Finish welding on the first set of strut arms.
- * Continue modifications on the lower gate strut arms.
- * Begin machining sleeves for primary anchorages.
- * Continue final fabrication of the removable seals on both leaves.
- * Erect second forty-foot Environmental Enclosure.



Crew member setting up new diagonal pin box for the boring mill.
6 April 2005

Corps of Engineers' Metal Shop



Combined Team begins welding on the strut arms
6 April 2005
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